

ABSTRACT OF THE DISCLOSURE

The present invention provides an LED signal light device comprising a central processing unit, a control panel, an LED signal light, an output and input interface, a battery and an adapter. The central processing unit comprises a microprocessor, a memory and an interface circuit for controlling the operation of the whole device, and outputting a signal and receiving a command through the output and input interface. The control panel is a printed circuit board recorded a circuit therein. The LED signal light consists of plural LEDs, which are three coloring LEDs or color changing LEDs. The LEDs actively show a light display in a closed circuit and show various colors accompanying with various arrangements into abstract symbols for indicating various traffic situations. The device can be connected to an AC power supply of 110 V or 220 V, and the AC power is converted to DC power by an adapter, which also stabilizes the current provided to the whole device. The battery alternatively provides power to the whole device with its storage power when the power source is ineffective.